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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,020	09/05/2003	Paul Joseph McArdle	G&C 30566.255-US-U1	8147

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EXAMINER
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MORRISON, JAY A

ART UNIT	PAPER NUMBER
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2168

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/656,020	<b>Applicant(s)</b> MCARDLE ET AL.	
	<b>Examiner</b> Jay A. Morrison	<b>Art Unit</b> 2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Remarks*

1. Claims 1-30 are pending.

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/17/2006 has been entered.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

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consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bondy et al. ('Bondy' hereinafter) (Publication Number 2002/0191219) in view of Halpert et al. ('Halpert' hereinafter) (Publication Number 2004/0225958).

As per claim 1, Bondy teaches

A computer-implemented method for defining a project in a computer graphics program comprising: (see abstract and background)

(a) obtaining a project file in the computer graphics program comprising general information regarding the project; (project, paragraph [0018])

(b) creating a directory structure in the computer graphics program for the project wherein: (set up directory structure, paragraph [0018])

(i) one or more project drawing files are organized into various folders by drawing file type of the one or more project drawing files; (stored in folders, paragraph [0019])

(ii) the one or more project drawing files are composed of either a building information model for the project or a report generated from the building information model; (template, paragraph [0020]) and

(iii) the one or more project drawing files are organized into the various folders based on the building information model or the report accordingly; (stored in repository, paragraph [0020])

(c) obtaining a companion file for each project drawing file, wherein each companion file provides information used to create the directory structure (set up directory structure and resources stored into folders in accordance with the configuration file, paragraph [0018]-[0019]) and comprises information to link each project drawing file to the project based on the building information model or the report; (tags to identify resources, paragraph [0019]).

Bondy does not explicitly indicate "(d) displaying, in the computer graphics program on a display device, the one or more project drawing files in the various folders".

However, Halpert discloses "(d) displaying, in the computer graphics program on a display device, the one or more project drawing files in the various folders" (viewer, paragraph [0096]; figure 8).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Bondy and Halpert because using the steps of "(d) displaying, in the computer graphics program on a display device, the one or more project drawing files in the various folders" would have given those skilled in the art the tools give a visual representation of the project structure. This gives the user the advantage of being able to view the project structure.

As per claim 2, Bondy teaches

the general information is selected from a group consisting of: a project name; a project number; a project level; a project division; a first default template for a new

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element; a second default template for a new construct; a third default template for a new view; and a fourth default template for a new sheet. (data, paragraph [0019])

As per claim 3, Bondy teaches  
the project drawing file comprises an extensible markup language (XML)  
document. (paragraph [0018])

As per claim 4, Bondy teaches  
the companion file comprises an extensible markup language (XML) file.  
(paragraph [0018])

As per claim 5, Bondy teaches  
the various folders comprise: an elements folder for element type drawing files  
within the building information model; a constructs folder for construct type drawing files  
within the building information model; a views folder for view type drawing files for the  
report; and a sheets folder for sheet type drawing files for the report. (directory  
structure, paragraph [0019])

As per claim 6,  
Bondy does not explicitly indicate "the element type drawing file comprises a set  
of geometry, wherein the set of geometry is repeated one or more times throughout a  
project".

However, Halpert discloses "the element type drawing file comprises a set of geometry, wherein the set of geometry is repeated one or more times throughout a project" (paragraph [0084]).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Bondy and Halpert because using the steps of "the element type drawing file comprises a set of geometry, wherein the set of geometry is repeated one or more times throughout a project" would have given those skilled in the art the tools reuse work previously completed. This gives the user the advantage of saving time by reusing work.

As per claim 7, Bondy teaches  
the construct type drawing file comprises: an identification of geometry and data for a particular level/wing and category of the project; and one or more elements.  
(paragraph [0030])

As per claim 8,  
Bondy does not explicitly indicate "the view type drawing file automatically assembles appropriate constructs to represent a portion of a project that has been selected based upon user specified data"

However, Halpert discloses "the view type drawing file automatically assembles appropriate constructs to represent a portion of a project that has been selected based upon user specified data" (paragraph [0092]).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Bondy and Halpert because using the steps of “the view type drawing file automatically assembles appropriate constructs to represent a portion of a project that has been selected based upon user specified data” would have given those skilled in the art the tools to reuse work previously completed. This gives the user the advantage of saving time by reusing work.

As per claim 9, Bondy teaches  
the sheet type drawing file comprises one or more views and represents a printed/plotted document. (paragraph [0039])

As per claim 10,  
Bondy does not explicitly indicate “the obtaining a companion file further comprises: defining a user definable category and value for project information; storing said user definable category and value in the companion file”.

However, Halpert discloses “the obtaining a companion file further comprises: defining a user definable category and value for project information; storing said user definable category and value in the companion file” (paragraph [0081]).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Bondy and Halpert because using the steps of “the obtaining a companion file further comprises: defining a user definable category and value for project information; storing said user definable category and value in the



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companion file" would have given those skilled in the art the tools to customize project information. This gives the user the advantage of having control over how a project is defined.

As per claims 11-20,

These claims are rejected on grounds corresponding to the arguments given above for rejected claims 1-10 and are similarly rejected.

As per claims 21-30,

These claims are rejected on grounds corresponding to the arguments given above for rejected claims 1-10 and are similarly rejected.

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1-30 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. The prior art made of record, listed on form PTO-892, and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay A. Morrison whose telephone number is (571) 272-7112. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo can be reached on (571) 272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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